

## DAILY FIELD ACTIVITY REPORT

**PROJECT NAME:** Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

<b>DATE:</b> March 14, 2018	<b>WEATHER:</b> Partly cloudy with light breeze, high ~53 degrees F
<b>Personnel and Visitors Onsite:</b> CDM Smith: Jason Silvertooth and Julee Trump; AECOM: Jennifer Pretare Geosyntec: Luke Smith; DEA: John Dasler, John Stay, Jason Dorfman, and David Moehl	
<b>Planned Activity:</b> <ul style="list-style-type: none"><li>• Health and safety meeting and activity kickoff meeting.</li><li>• Boat health and safety training/orientation.</li><li>• Begin bathymetric survey for the deeper channel water.</li></ul>	
<b>Activity Completed:</b> <ul style="list-style-type: none"><li>• Reviewed bathymetric field sampling plan (FSP) requirements and job hazard analysis with an overview of site wide HASP. New parties signed HASP.</li><li>• David Evans Associates (DEA) conducted boat safety and orientation at the primary survey vessel (William R Broughton) at the mooring in Freds Marina.</li><li>• Julee Trump performed oversight of the bathymetric survey of the Willamette River and Multnomah Channel from 8 am to 6 pm (health and safety meetings from 8 to 10 am). The deeper channel bathymetry was surveyed from river mile RM 1.9 to approximately RM 4.7. Quality assurance on the survey equipment was performed, including running sound velocity tests approximately every 1-2 hrs. One cross line test was conducted. DEA plans to return with smaller vessels at a later date to complete the survey in the shallow reaches.</li></ul>	
<b>Status of Schedule &amp; Priority Work:</b> <ul style="list-style-type: none"><li>• DEA mobilized equipment to the site March 13<sup>th</sup> and performed a position check on the real time kinematic (RTK) global positioning system (GPS), sound velocity comparison, RTK water line check shot, lead line check for each sonar, and bar check for each sonar per the FSP.</li><li>• Survey equipment has been configured on the survey vessel prior to mobilizing to Portland Harbor with the vessel at previous sites where patch tests were performed and verified to be consistent between sites.</li></ul>	
<b>Issues/Concerns/Resolutions (include work performed that was not planned or anticipated):</b> <p>The survey vessel hit a submerged piling during bathymetric survey activities in the afternoon. The piling was located between RM1 and 2 on the west side of the Willamette River. After the impact (bottom of the outboard motor) visual observations indicated small pieces of wood from the submerged piling were knocked loose and floating, but no sheen or other evidence of contamination were observed. DEA's initial assessment was that the boat and motor did was not damaged. A patch test was performed after the incident to re-calibrate for any shift in sensor/sonar positions as a result of the impact. Upon returning to the marina, it was discovered that the starboard sonar support had slightly bent and a secondary stabilizing bracket had been sheared off. DEA indicated that this should not impact the survey. Consequently, DEA will be making repairs and there will be no survey work on March 15<sup>th</sup>.</p> <p>DEA was aware of submerged pilings in the area based on the bathymetric chart information, but at this particular location the existence of the former pier was obscured by other chart layers and not easily observed. To prevent future incidents during the bathymetric survey, DEA is using an additional chart that more effectively shows the locations of channel features.</p>	
<b>Samples Collected, Measurements Made, Photographs: (List Locations, Matrix &amp; Sample type):</b> <p>Bathymetry data was collected from RM 1.9 to about RM 4.7 In the Willamette River channel and up the Multnomah Channel to Fred's Marina (Multnomah Channel data collected when passing in and out of the marina but additional surveying will be required to complete the survey in this area). Photographs of representative field activities were transmitted via email to EPA on March 14<sup>th</sup>.</p>	
<b>Borings Completed (Include total footage drilled for each boring):</b> N/A	
<b>Wastes Generated and How Handled:</b> N/A	

**Miscellaneous (Equipment needs, health and safety issues, Staffing):**

DEA is planning to continue the bathymetric survey through the weekend.

**Signature:** Julee Trump  
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**DATE** March 14, 2018  
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